

## HOUSATONIC RIVER BASIN

01203805 WEEKEEPEEMEE RIVER AT HOTCHKISSVILLE, CT

**LOCATION.**--Lat 41°33'26", long 73°12'57", Litchfield County, Hydrologic Unit 01100005, on downstream left bank at Jack's Bridge Rd., 500 ft upstream from mouth, and 1 mi north of Woodbury.**DRAINAGE AREA.**--26.8 mi<sup>2</sup>.**PERIOD OF RECORD.**--October 1978 to September 1979; August 2000 to current year.**GAGE.**--Water-stage recorder and crest-stage gage. Datum of gage is 249.55 ft above sea level. Satellite telemetry at station.**REMARKS.**--Records good, except those for periods of estimated record, which are fair.**EXTREMES FOR CURRENT YEAR.**--Maximum discharge, 513 ft<sup>3</sup>/s, Jun. 7, gage height, 4.17 ft; minimum discharge, 1.6 ft<sup>3</sup>/s, Aug. 27, 28, gage height, 1.42 ft.DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	5.0	7.4	e12	29	26	89	84	59	12	3.3	3.6
2	11	5.2	6.6	e12	e26	24	51	99	37	11	33	9.5
3	7.9	7.3	6.1	e11	e24	122	26	111	31	10	30	7.9
4	6.5	7.4	5.8	e11	e22	64	33	73	29	9.3	9.8	22
5	5.4	6.4	5.7	e11	e20	47	29	64	43	8.1	32	9.0
6	5.5	5.8	5.6	e10	e18	42	28	58	67	7.6	36	5.6
7	5.6	5.5	6.0	e10	e17	40	28	54	291	7.5	12	4.6
8	4.7	5.1	5.7	e10	e16	38	31	49	97	7.3	7.3	4.1
9	4.4	4.9	8.1	e10	e16	36	33	46	67	10	5.8	3.4
10	4.4	4.7	7.7	e10	e15	48	50	49	52	9.0	4.7	3.1
11	4.4	4.5	7.8	e12	63	39	40	40	44	6.4	4.2	3.0
12	4.4	4.1	8.8	e15	40	36	38	47	56	5.4	3.5	2.8
13	4.3	3.9	8.9	e14	e31	34	41	196	56	4.9	3.3	2.7
14	4.6	4.4	9.6	e13	e27	34	39	214	63	4.7	3.2	2.7
15	9.0	4.4	13	e12	e25	32	117	109	70	4.5	4.4	3.1
16	7.1	4.5	8.6	e12	e23	36	65	83	111	4.3	4.7	6.0
17	7.1	4.2	8.1	e11	e22	33	52	71	84	3.8	4.1	4.6
18	7.2	4.1	37	e11	e21	34	46	194	55	3.6	3.3	3.7
19	6.3	4.8	25	e11	e21	40	45	114	49	5.8	3.0	3.4
20	5.7	5.2	19	e10	e20	52	46	88	45	10	5.3	3.2
21	5.5	5.5	e15	e10	70	76	40	76	36	6.5	4.1	3.1
22	5.4	5.1	e13	e10	42	70	40	67	31	4.9	2.2	3.1
23	5.4	6.3	e12	e10	34	54	41	60	28	15	2.0	3.1
24	5.5	7.6	e35	23	29	49	37	54	24	20	2.1	3.7
25	5.5	7.6	e25	26	28	45	44	47	20	7.7	2.7	3.1
26	5.4	12	e19	21	28	46	56	45	19	6.1	2.2	3.6
27	5.3	8.5	e17	20	28	136	41	45	19	5.7	1.8	15
28	5.0	7.4	e16	21	26	93	102	48	18	5.4	1.7	13
29	4.9	6.9	e15	23	---	85	122	46	15	5.0	13	7.5
30	5.0	7.3	e14	27	---	81	87	40	13	4.2	8.9	6.3
31	4.7	---	e13	24	---	83	---	45	---	3.7	4.6	---
TOTAL	192.1	175.6	404.5	443	781	1675	1537	2416	1629	229.4	258.2	169.5
MEAN	6.20	5.85	13.0	14.3	27.9	54.0	51.2	77.9	54.3	7.40	8.33	5.65
MAX	19	12	37	27	70	136	122	214	291	20	36	22
MIN	4.3	3.9	5.6	10	15	24	26	40	13	3.6	1.7	2.7
CFSM	0.23	0.22	0.49	0.53	1.04	2.02	1.91	2.91	2.03	0.28	0.31	0.21
IN.	0.27	0.24	0.56	0.61	1.08	2.33	2.13	3.35	2.26	0.32	0.36	0.24

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2002, BY WATER YEAR (WY)

MEAN	7.00	11.6	32.1	79.7	51.7	121	84.6	64.6	48.9	8.33	7.83	11.8
MAX	8.95	20.9	48.1	187	81.9	168	104	88.5	67.8	12.6	10.1	17.8
(WY)	2001	2001	2001	1979	1979	1979	1979	1979	2001	2001	1979	1979
MIN	5.85	5.85	13.0	14.3	27.9	54.0	51.2	27.4	24.6	5.00	5.10	5.65
(WY)	1979	2002	2002	2002	2002	2002	2002	2001	1979	1979	2001	2002

e Estimated.

## HOUSATONIC RIVER BASIN

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1979 - 2002
ANNUAL TOTAL	14333.7	9910.3	
ANNUAL MEAN	39.3	27.2	
HIGHEST ANNUAL MEAN			44.1
LOWEST ANNUAL MEAN			27.2
HIGHEST DAILY MEAN	680	Jun 17	Jan 25 1979
LOWEST DAILY MEAN	1.9	Aug 9	0.60 Aug 9 1979
ANNUAL SEVEN-DAY MINIMUM	2.1	Aug 5	1.2 Aug 3 1979
MAXIMUM PEAK FLOW		513 Jun 7	3200 Jun 17 2001
MAXIMUM PEAK STAGE		4.17 Jun 7	8.10 Jun 8 2001
INSTANTANEOUS LOW FLOW		a1.6 Aug 27	1.6 Aug 27 2002
ANNUAL RUNOFF (CFSM)	1.47	1.01	1.65
ANNUAL RUNOFF (INCHES)	19.90	13.76	22.36
10 PERCENT EXCEEDS	94	64	92
50 PERCENT EXCEEDS	19	13	20
90 PERCENT EXCEEDS	3.8	4.1	3.7

a Also occurred Aug. 28.

